CLAIMS

1. A rotary flap liable to turn about a longitudinal axis of rotation (4) defined according to the first span (5) of said flap (1), said flap (1) having a profile (6) extending along the chord (CO) and comprising a first leading edge (7), a first trailing edge (8), an inner surface (9) and an outer surface (10),

characterized in that:

- said inner surface (9) and said outer surface (10) have, beyond 25% of the flap chord CO, shapes that are not concave;

- said first trailing edge (8) has a main angle (α) included between 10° and 30°; and

- said axis of rotation (4) is situated at a first distance (C1) from said first leading edge (7), which is included between 15% and 35% of the chord (CO) of said flap (1).

2. A flap according to the claim 1,

characterized in that said first leading edge (7) has a rounded shape provided with a more or less constant curve radius (R)

3. A flap according to the claim 1,

characterized in that said first leading edge (7) has an elliptical shape whose first major axis to minor axis quotient is less than or equal to 1.5.

4. A flap according to any one of claims 1 to 3,

characterized in that said inner surface (9) has a more or less linear shape.

5. A flap according to any one of claims 1 to 3,

characterized In that said inner surface (9) has a more or less convex shape.

6. A flap according to any one of claims 1 to 5,

characterized in that said outer surface (10) has a more or less linear shape.

7. A flap according to any one of claims 1 to 5,

characterized In that said outer surface (10) has a more or less convex shape.

8. A flap according to any one of the previous claims,

characterised In that said main angle (α) is approximately 20°.

9. A flap according to any one of the previous claims,

characterized in that said first trailing edge (8) has an elliptical shape whose second major axis to minor axis quotient is greater than or equal to 1.5.

10. A flap according to the claim 9,

characterized in that said second major axis to minor axis quotient Is approximately equal to 2.

11. A flap according to any one of the previous claims,

characterized in that said axis of rotation (4) of flap (1) is situated at a first distance (C1) from said first leading edge (7) corresponding more or less to 25.5% of the chord (CO).